

UTS1009B

1 port USB-to-RS-232 Adapter



Introduction

SUNIX ComHub UTS series transform your Universal Serial Bus (USB) port into asynchronous RS-232 serial ports for communication with serial devices. The UTS1009B adapter is compatible with both USB 2.0 and 1.1 specifications and provides serial ports with transfer speed up to 115.2Kbps. It provides a quick, simple and cost-effective way to bring the advantages of data accessibility and mobile solution for kinds of commercial and industrial automation applications.

Features

- Expands one independent RS-232 serial ports through USB interface.
- Supports Universal Serial Bus Plug-n-Play and Hot-Swapping feature.
- No IRQ, DMA, I/O address resource required.
- Supports USB1.1 full speed 12Mbps and USB2.0 compatible.
- Each serial port provides transmission rate up to 115.2Kbps.
- Built-in $\pm 15\text{KV}$ ESD protection for all serial signals.
- Compact Size and low power consumption.
- Supports both USB bus power mode without additional external power.
- Certified by CE, FCC, RoHS, and Microsoft WQHL approval.
- Support Microsoft Windows and Linux.



Specifications

Serial Communication

Interface: RS-232

Controller: Prolific PL2303Hx
(16C550 UART Compatible)

BUS: Universal Serial Bus (USB)

No. of Port: 1 port

IRQ & IO: Assigned by System

FIFO: 16 byte Hardware

Signal: TxD, RxD, RTS, CTS, DTR, DSR, DCD, RI, GND

Baud rate: 50~115.2Kbps

Data bit: 5, 6, 7, 8

Stop bit: 1, 1.5, 2

Parity: even, odd, none, mark, space

Flow Control: None, Xon/Xoff, RTS/CTS

Protection: ±15KV ESD protection for each signal
Human Body Model (HBM)
±15KV IEC1000-4-2 Air Gap Discharge
±8KV IEC1000-4-2 Contact Discharge

PCB Connector: DB9 Male

Driver Support:

Microsoft Windows: 98/ME/2000/XP/Vista/7 (X86/X64)

Microsoft Embedded: CE5.0/XP Embedded

Microsoft Server: 2003/2008 (X86/X64)

Linux: Linux 2.4.x / 2.6.x

Regulatory Approvals:

Hardware: EN55022 Class B, EN55024, EN61000-3-2, EN61000-3-3, FCC Part 15 Class B, RoHS

Software: Microsoft WHQL Window XP Vista

Operation Environment:

Operation Temperature: 0 to 60°C (32 to 140°F)

Operation Humidity: 5 to 95% RH

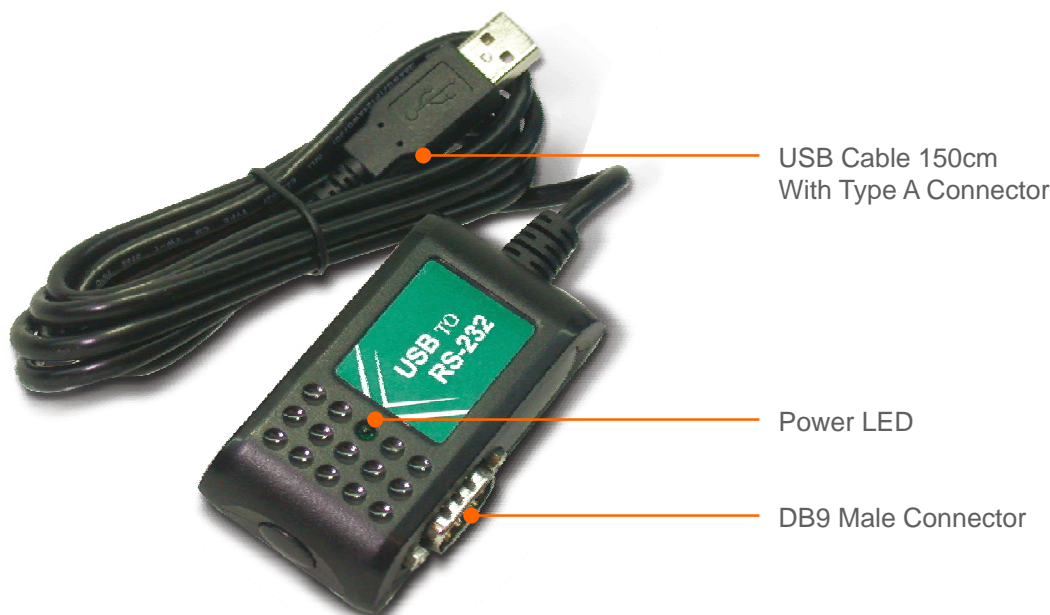
Storage Temperature : -20 to 85°C (-4 to 185°F)

Dimension:

Molding Dimension: 15 x 45 x 33 mm

Cable Length: 1500mm (5ft)

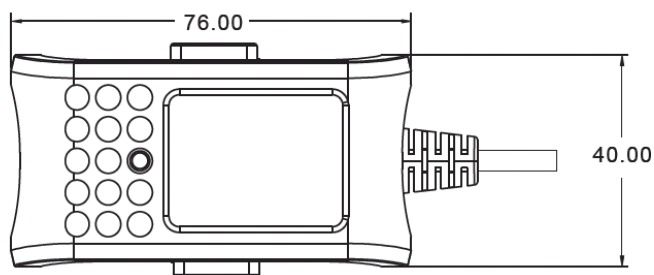
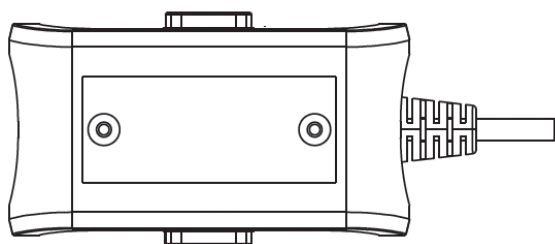
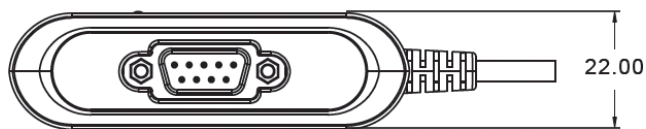
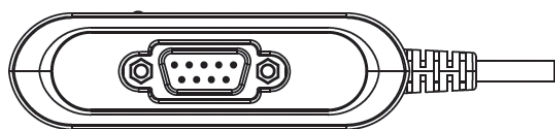
Appearance



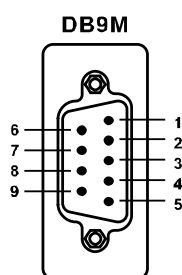
USB Cable 150cm
With Type A Connector

Power LED

DB9 Male Connector



Pin Assignment



PIN	DB9M
DCD	1
RxD	2
TxD	3
DTR	4
GND	5
DSR	6
RTS	7
CTS	8
RI	9

Packing List

Packing Content

- UTS1009B - 1 port USB-to-RS-232 Adapter
- Quick Installation Guide
- Software CD ROM



Order Information

- UTS1009 1-port USB-to-RS-232 Adapter
- UTS2009 2-port USB-to-RS-232 Adapter
- UTS4009 4-port USB-to-RS-232 Adapter
- UTS7009 7-port USB-to-RS-232 Adapter